

VALID

Pat. No. 05740607 - 6
Issue Date: 03/17/03

Group ID: C
User ID: Henlag

Page 1
KS: 1,246

Warning [Pages Of Foreign References:]

page 4 has no references
page 5 has no references

Warning [Pages Of Other References:]

page 1 has no references
page 2 has no references
page 3 has no references
page 4 has no references
page 5 has no references

Sh
03/17/03
fused fil 17/03
ERK02
SAC
PAP
#19

PTOL85b INFO

SERIAL NUMBER FILING DATE

09/774,450 01/30/01

ASSIGNEE DATA PRESENT DATE FEE PAID

Yes 05/05/03

EMAIL ADDRESS

=====

ATTORNEYS

Type: Firm/First: Middle: Last:

Individual M. Elizabeth Bush

Firm Freilich, Hornbaker & Rosen

=====

ASSIGNEES

Code: Firm/First: Middle: Last:

02 Quallion LLC

City: State: Country:

Sylmar CA

Text:

=====

REFERENCES (Page 5) SERIAL NUMBER: 09/774,450

FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

*6,521,350	02/2003	Fey et al.		
No issue date available.				

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

Pat. No. 05740607 - 6
Issue Date: 03/17/03

Group ID: C
User ID: Henlag

Page 2

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

***** End of edited forms *****

Total Print

5 1

DRAWINGS

Sheets Figures Print

2 2 Y

BLUE SLIP INFORMATION

SERIAL NUMBER CLASS SUBCLASS GAU

09/774,450 428 621 1775

INDEP. CLAIMS

TOTAL CLAIMS

1, 4

5

BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

H01M 2/02

CROSS-REFERENCES

Class SubClass

428 632;633;661;469;697

228 124.6;122.1

TERM EXTENSION

194

FIELD OF SEARCH

Class SubClass

428 621;632;633;661;467;697;660;672;702

228 124.5;122.1;124.6;262.72

420 512

=====

PTOL85b INFO

SERIAL NUMBER **FILING DATE**

09/774,450 01/30/01

ASSIGNEE DATA PRESENT **DATE FEE PAID**

Yes 05/05/03

EMAIL ADDRESS

=====

ATTORNEYS

Type: **Firm/First:** **Middle:** **Last:**

Individual M. Elizabeth Bush

Firm Freilich, Hornbaker & Rosen

=====

ASSIGNEES

Code: **Firm/First:** **Middle:** **Last:**

02 Quallion LLC

City: **State: Country:**

Sylmar CA

Text:

=====

OATH

INVENTOR NAME

First: **Middle:** **Last:** **Signed:**

Douglas Alan Ruth, II Yes

City: Canyon Country

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Hisashi Tsukamoto Yes

City: Saugus

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Clay Kishiyama Yes

City: Valencia

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Andrew Szyszkowski Yes

City: Canyon Country

State: CA ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: _____ Middle: _____ Last: _____ Signed: _____
Roger Pisarnwongs Yes

City: Sylmar

State: CA **ZIP Code:** **Country:** **Foreign ZIP:**

PCT INFO

CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	68	60/179,764	02/02/2000			/ /

=====

REFERENCES (Page 1) SERIAL NUMBER: 09/774,450
FORM 892

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
Re. 34,819	01/1995	Mizuhara	420	508

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
59-012557	01/1984	JPX	H01M	2/02
10-012270	01/1998	JPX	H01M	10/39
5-60241	03/1993	JPX	F16J	9/26

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 2) SERIAL NUMBER: 09/774,450
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,940,858	07/1990	Taylor et al.		

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
2000-058033 A2	02/2000	JPX		

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 3) SERIAL NUMBER: 09/774,450
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>

4,167,413 09/1979 Christ et al.

4,180,700 12/1979 Kraska et al.

4,217,137 08/1980 Kraska et al.

4,722,137 02/1988 Ellenberger

<2,1>4,940,858 07/1990 Taylor et al.

*6,335,117 01/2002 Yoshida et al.

No issue date available.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
0 235 504 A1	09/1987	EPX		
01253941 A2	10/1989	JPX		
01073750 A2	03/1989	JPX		
1239958 A2	09/1989	JPX		
11186423 A2	07/1999	JPX		
2000068396 A2	03/2000	JPX		

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 4) SERIAL NUMBER: 09/774,450
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,158,721	06/1979	Decker et al.		

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 5) SERIAL NUMBER: 09/774,450
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

*6,521,350 02/2003 Fey et al.

No issue date available.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)
